

WHAT IS CLAIMED IS:

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1. ~~A projection display apparatus connected to a control device as a host through a~~
serial interface, in which data is transmitted/received bi-directionally to display a
picture on a display screen, said apparatus comprising:

display means for being fed from said control device with display data and for
being illuminated with projected light to display a picture represented by said display
data;

input/output means connected to the control device adapted for generating
display control signals controlling said display means and to at least one external
peripheral equipment to input/output data based on the supplementary information
appended to input data; and

display control means for controlling a picture demonstrated by said display
~~means based on a display control signal input through said input/output means.~~

2. The projection display apparatus according to claim 1 wherein said input/output
means is a hub conforming to the USB (Universal Serial Bus) standard and is
connected to the control device having an interface conforming to the USB standard
and to an external peripheral equipment having an interface conforming to the USB
standard.

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3. ~~The projection display apparatus according to claim 1 wherein an operating input~~
~~device for generating an operating input signal as an external peripheral equipment~~
~~is connected to said input/output means and wherein said display control means~~

controls a picture demonstrated on said display means in accordance with a pointer control signal from the control device based on the operating input signal generated in said operating input device.

4. The projection display apparatus according to claim 1 wherein a display device is connected as an external peripheral device to said input/output means and wherein said input/output means outputs display data and display control signals to said display device.

5. A projection display system in which a control device as a host and a projection display apparatus as a target controlled by said control device are interconnected over a serial interface, and in which data transmission/reception is made bi-directionally at least between said control device and said projection display apparatus to demonstrate a picture by said projection display apparatus on a display screen, wherein

said projection display apparatus includes display means for being fed from said control device with display data and for being illuminated with projected light to display a picture represented by said display data, input/output means connected to the control device adapted for generating display control signals controlling said display means and to at least one external peripheral equipment to input/output data based on the supplementary information appended to input data, and display control means for controlling a picture demonstrated by said display means based on a display control signal input through said input/output means, and wherein

~~said control device includes input/output means connected to the projection~~

display apparatus and control means for outputting display control signals and display data to the projection display apparatus and to said external peripheral equipment connected to said projection display apparatus to cause the projection display apparatus to demonstrate a picture on the projection display apparatus.

6. The projection display system according to claim 5 wherein the input/output means of the projection display apparatus is a hub pursuant to the USB (Universal Serial Bus) standard and is connected to an external peripheral equipment having an interface conforming to the USB standard, and wherein the input/output means of the control device is an interface pursuant to the USB standard.

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7. ~~The projection display system according to claim 5 wherein there is provided an operating input device connected as an external peripheral device to said input/output means of said projection display apparatus to generate an operating input signal, and wherein said display control means controls a picture demonstrated on said display means in accordance with a pointer control signal from said control device which is based on the operating input signal generated in said operating input device.~~

8. ~~The projection display system according to claim 5 wherein there is provided a display device connected as an external peripheral device to said input/output means of said projection display apparatus and wherein the input/output means of said projection display apparatus outputs display data and the display control signal from the control device to said display device.~~

9. The projection display system according to claim 7 wherein said control device

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